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SOURCE Stanki i Instrument, No 6, 1948,

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MACHINE TOOLS FOR AIRCRAFT PRODUCTION

[The following are three abstracts prepared by Stanki i Instrument.]

HIGH-SPEED MILLING OF STEEL INTRODUCED -- *Aviatsionnaya Promyshlennost'*,
No 1, 1948

Gives examples of the introduction of high-speed milling for various
Cromwell parts on Type 615 vertical milling machines -- undercarriage sus-
pension, hardened inclined strut, etc. Describes cutters used, their geom-
etry, and machining routine adopted. Discusses durability of cutters and
saving of machining time which can be achieved. -- N. D. Mironov

ATTACHMENT FOR CONTINUOUS MILLING OF STRIPS REVEALED -- *Aviatsionnaya
Promyshlennost'*, No 2, 1948

Describes a special attachment for milling pressed strips made of DIT
material. Strips are 5 - 6 meters long and are used for making chamfered
packing pieces for longeron strakes. The attachment is set up on a horizon-
tal milling machine and is kinematically connected with the driving screw of
the table, thus enabling the angle of inclination of the surface being milled
to be altered. The saving of time on one part is 5 hours.

HIGH-CAPACITY MACHINE TOOLS VALUABLE IN AIRCRAFT PART MANUFACTURE -- *Aviatsionnaya
Promyshlennost'*, No 3, 1948

Describes multiple boring mills for machining such parts as frames, bodies
and wings. Describes two types of multiple heads and an attachment for holding
parts. Describes multispindle drilling machines. Gives examples of machining
parts on these machines. Explains saving in man-hours compared with universal
machines, simplification of technical process, assurance of high accuracy,
and interchangeability of parts machined.

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